

This listing of claims will replace all prior versions, and listings, of claims in the application;

**Listing of Claims:**

Cancel claims 1-10 and add new claims 11-20

11. (new) A multifunctional tridimensional combined ecological architecture having one or more buildings and comprising:

- ecological structures for organisms,
- natural ecological structures,
- activity places for habitants,
- organisms production systems,
- water recycling systems,
- electrical systems,
- ventilation systems,
- temperature and humidity regulating systems,
- light transmitting systems,
- methane systems, and
- control systems and illumination systems;

wherein said buildings have tridimensional structures with multiple stories, including aboveground parts and underground parts, wherein rooms of the buildings include a top roof and sides wherein the top roof, sides, or both are partly or completely transparent, openable and closable, or both;

wherein said natural ecological structures and said ecological structures for organisms are provided anywhere inside or outside of the buildings, and include plants, organisms, water resources, and habitants' cultural scenes therein;

said activity places for habitants comprising places for resting and for sports and cultural activities;

said organism production systems comprising cultivation devices, processing devices, storing and transferring devices, and marketing devices;

said water recycling systems comprising precipitation gathering and purifying devices, drain water recuperating, storing and purifying devices, external water resources input devices, devices for filtering and purifying water from air, sanitation devices, water reservoir devices, and water supply devices;

said electrical devices comprising solar power generation and storing devices, wind power generation and storing devices, water power generation and storing devices, mechanical power generation and storing devices, power transmission and power supply devices, voltage transformation and power distribution devices;

said ventilation systems comprising air input/output devices, oxygen supply devices, air purifying and recycling devices, and sanitation devices;

said temperature and humidity regulating devices comprising temperature regulating devices and humidity regulating devices;

said light transmitting systems comprising light refractive devices and light transmitting devices;

said methane systems comprise methane tanks and methane storing and utilization devices;  
and

said control systems comprising automatic, manual, or both control.

12. (new) The multifunctional tridimensional combined ecological architecture according to claim 11, further comprising fixed or moveable tridimensional ecological walls provided in part or in periphery of said buildings; said walls containing plant and organism cultivation structures.

13. (New) The multifunctional tridimensional combined ecological architecture according to claim 11, further comprising a blower to introduce air into said devices for filtering and purifying water from air through the air inlet thereof, wherein moisture in the air is vaporized by heaters provided inside said devices for filtering and purifying water from air, and then the moisture is held by the water cooling and filtering and capturing devices, then the water is discharged out of the devices for filtering and purifying water via the outlet, said devices for filtering and purifying water from air are in the form of passages, upright-type, or caged-type, or suspended-type, or air-conditioning-type.

14. (new) The multifunctional tridimensional combined ecological architecture according to claim 11, wherein said control system is configured to have intelligent control mechanisms that are able to implement complete control, part control, or individual control of devices; and wherein said architecture is also equipped with anti theft alarming systems, image transportations mechanisms, and dialogue system for security in buildings, and closed-circuit monitoring systems.

15. (new) The multifunctional tridimensional combined ecological architecture according to claim 11, wherein, when a plurality of buildings are provided in the architecture, different buildings are connected with one another via roads and bridges; the roads and bridges optionally including tridimensional roads and bridges comprised of multiple layers or stories.

16. (new) The multifunctional tridimensional combined ecological architecture according to claim 11, wherein said cultivation devices are movable or stationary, wherein the cultivation devices comprises organism cultivation boxes, which are suspended, laid, piled, tridimensional,

or shelved, and wherein temperature regulating mechanisms and water supply mechanisms are provided inside said cultivation boxes.

17. (new) The multifunctional tridimensional combined ecological architecture according to claim 11, wherein said solar power generation and storing devices comprise solar cell receiving plates, electric storage devices, transformer devices, current meters, power distributing devices, accessories of electric supplier networks; said solar power generation and storing devices are integrated ones, in which the electric suppliers devices in the ecological buildings or on the grounds are integrated together for use in the entire building, or separated ones, in which they are mounted in part areas or separate apartments of the buildings for separate use; said solar cell receiving plates are laid-type, upright-type, fixed-type, folded-type, or rotatable type, and are in the form of sleeping porches, door windows, curtains or walls.

18. (new) The multifunctional tridimensional combined ecological architecture according to claim 15, wherein part of the buildings themselves are movable.

19. (new) The multifunctional tridimensional combined ecological architecture according to claim 11, wherein said light refractive devices are fixed, moveable, or both, and are controllable by lights or manually.

20. (new) The multifunctional tridimensional combined ecological architecture according to claim 15, wherein said buildings are combinable in various types of forms, comprising Taiji graphics types, Eight Gua graphics types, hood types, frame types, tree types, tridimensional land types, combined frames, turret frame types, combined passage types, hacienda types, ecological

village house types, ecological town types, tridimensional ecological river types, tridimensional ecological bridge types, tridimensional ecological road types, tridimensional ecological wall types, and combinations thereof.